



## Course Syllabus - MBBCh

1. Course title : Miscellaneous Module		Course code: MIS22
2. Credit/contact hours:	52 hours	
3. Number of weeks	2 WEEKS	
4. Level/year at which this course is offered:	Year 2 Semester 2	
5. Pre-requisites for this course (if any): MBBS – Year1		
6. Co-requisites for this course (if any):		

### Course Description

The Course will be taught to year 2 students in semester 2 and is designed to offer an integrated approach to the learning of the normal Structure, Function and Development of the skin and musculoskeletal system, using different strategies, and, applying the knowledge and skills acquired, in understanding the pathophysiology of various disorders of this system. The basic principles of management of these disorders with a focus on disease prevention will be described. Only one PBL will be included in this module, and it will address causes, epidemiology, pathogenesis, and principles of management of skin diseases and diseases related to the musculoskeletal system. The introduction of clinical skill sessions aims to provide the student with basic clinical and communication skills in preparation for clinical clerkship and to vertically integrate learning.

### Course Learning Outcomes

CLOs		Aligned PLOs
1	<b>Knowledge outcome:</b>	
K1	Describe the structure; pathogenesis, morphological and management of common skin and musculoskeletal diseases.	A1
K2	Explain the epidemiology of common skin and musculoskeletal disorders.	A1
K3	Describe cycle of infection of parasitic skin diseases.	A1
K4	Outline microbiological aspects of Nosocomial infections	A1
	Skills	

CLOs		Aligned PLOs
S1	Elicit a relevant clinical history related to skin and musculoskeletal illnesses.	B2
S2	Recognize the microscopic characteristic features of the skin and musculoskeletal system on microscopic slides/images.	B2
S3	Perform a focused physical examination of a patient presenting with skin and musculoskeletal symptoms	B2
3	<b>Attitude:</b>	
A1	Demonstrate awareness of the importance of lifestyle factors in promoting health and preventing skin and musculoskeletal related illnesses.	C2
A2	Improve student teamwork	C4

### Course Delivery Plan:

Week	TOPIC TITLE	Time/hr	Teaching Methods	Department	Teaching Staff
week 1: Diseases of the Skin	<u>Thick skin I</u>	1	L	Histology	Prof. Nadia
	<u>Thick skin II</u>	1	L	Histology	Prof. Nadia
	Thin Skin, Hair follicle	1	SGD	Histology	Prof. Nadia
	Skin adnexae	1	SDL	Histology	Prof. Nadia
	Practical	1	P	Histology	Prof. Nadia
	Epidemiology & Prevention of Anthrax	1	CBL	Community M	Dr. Sahar
	SKIN INFECTIONS	1	SBIL	Pathology	Prof. Ghazala
	BULLOUS SKIN DISEASES	1	SBIL	Pathology	Prof. Ghazala
	SKIN TUMOURS	1	SBIL	Pathology	prof. Ghazala
	PRACTICAL-DISEASES OF THE SKIN	2	P	Pathology	Dr. Mariam
	Bacterial Infections of the Skin	1	SBIL	Microbiology	Prof. Magda

	Hospital Acquired Infections	1	CBL	Microbiology	Prof. Magda
	Epidemiology & Prevention of Plague	1	CBL	Community M	Dr. Sahar
	Cutaneous & Muco-cutaneous Leshmaniasis	1	L	Parasitology	Dr. Dina
	Onchocercosis	1	L	Parasitology	Dr. Dina
	Loaiasis	1	SBIL	Parasitology	Dr. Dina
	Cutaneous larva migrans & sparganosis	1	SP	Parasitology	Dr. Dina
	Dracunculus medinensis	1	SBIL	Parasitology	Dr. Dina
	Practical	1	P	Parasitology	Dr. Dina
	Dermatological Clinical Skills	1		Clinical Skills	Prof Samia
Week 2: Musculoskeletal Disorders	OSTEOMYELITIS I	1	L	Pathology	Dr. Mariam
	OSTEOMYELITIS II	1	SBIL	Pathology	Dr. Mariam
	Viral and Fungal Infections of the Skin	1	L	Microbiology	Prof. Magda
	Antifungal I	1	SBIL	Pharmacology	Dr. Eslam
	Antifungal II	1	L	Pharmacology	Dr. Eslam
	Antivirals I	1	SBIL	Pharmacology	Dr. Eslam
	Antivirals II - Retroviral	1	L	Pharmacology	Dr. Eslam
	Treatment of leprosy	1	SGD	Pharmacology	Dr. Eslam
	Dermatological pharmacology (PBL)	1	L	Pharmacology	Dr. Eslam
	METABOLIC DISORDERS OF BONE1	1	L	Pathology	Dr. Mariam
METABOLIC DISORDERS OF BONE2	1	SDL	Pathology	Dr. Mariam	

BONE TUMOURS 1	1	L	Pathology	Dr. Mariam
BONE TUMOURS 2	1	SBIL	Pathology	Dr. Mariam
PRACTICAL-DISEASES OF THE BONE	1	P	Pathology	Dr. Mariam
Epidemiology & Prevention of Yellow Fever	1	SGD	Community M	Dr. Sahar
Flies & Myiasis	1	SBIL	Parasitology	Dr. Dina
Mosquitoes	1	SP	Parasitology	Dr. Dina
Lice , Bugs , Fleas	1	L	Parasitology	Dr. Dina
Ticks; Mites & Cyclops	1	SP	Parasitology	Dr. Dina
Practical	1	P	Parasitology	Dr. Dina
Elder Health	1	CBL	Community M	Dr. Sahar
Musculoskeletal Clinical Skills	1		Clinical Skills	Prof Samia
Anti-neoplastic drugs I	1	CBL	Pharmacology	Dr. Eslam
Anti-neoplastic drugs II	1	L	Pharmacology	Dr. Eslam
Anti-neoplastic drugs III	1	SGD	Pharmacology	Dr. Eslam
Practicals	1	P	Pharmacology	Dr. Eslam
Revision	1	L	Pharmacology	Dr. Eslam
DISEASES OF JOINTS	1	SBIL	Pathology	Prof. Ghazala
DISEASES OF MUSCLES & PERIPHERAL NERVES	1	L	Pathology	Prof. Ghazala
Revision	1	SGD	Pathology	Dr. Mariam
Practical Revision	1	P	Pathology	Dr. Mariam
Immunity Response to Parasites 1	1	L	Parasitology	Dr. Dina

	Diagnostic methods in parasitology 1	1	L	Parasitology	Dr.Dina
	Review of Skin diseases and entomology	1	L	Parasitology	Dr.Dina

## Teaching and Assessment

### 1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
	<b>KAP</b>		
k.1	Describe the structures of skin and musculoskeletal diseases components and relate this to the main functions.	L	
K.2	Relate the etiopathogenesis, morphological and functional alterations to the clinical manifestations of common skin and musculoskeletal diseases.	L SBIL SDL SGD	
K.3	Explain the epidemiology of the common skin and musculoskeletal disorders.	L SBIL SDL SGD Practical Session TBL CAL SP	
K.4	Describe cycle of infection of parasitic skin diseases.	L SBIL SDL SGD Practical Session SP	
K.5	Describe cycle of infection of parasitic skin diseases.	L SBIL SDL SGD Practical Session SP	

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
K.6	Describe the measures taken to prevent common skin and musculoskeletal including some infectious diseases.	L SBIL	
S.1	Identify the main structural and morphological features of skin and musculoskeletal system on prosected specimens.	L SGD Practical Session	
S.2	Recognize the microscopic characteristic features of the skin and musculoskeletal system on microscopic slides/images.	L SBIL SDL SGD Practical Session TBL CAL SP	
S.3	Elicit a relevant clinical history related to skin and musculoskeletal illnesses.	L SBIL SDL SGD Practical Session	
S.4	Perform a focused physical examination of a patient presenting with skin and musculoskeletal symptoms	L SBIL SDL SGD Practical Session	
A.1	Demonstrate awareness of the importance of lifestyle factors in promoting health and preventing skin and musculoskeletal related illnesses.	L SBIL SDL SGD	
A.2	Awareness about the importance of lifestyle factors in promoting health and preventing skin and musculoskeletal related illnesses.	L SBIL SDL SGD SP	

**2. Assessment Tasks for Students (There is no assessment for Miscellaneous Module)**

#	Assessment task*	Week Due	Percentage of Total Assessment Score	Date
1	quizzes, written assignments, presentations, group test	Along the module	30	
2	Final exam	End of semester	70	June 2023

\*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

## Learning Resources and Facilities

### 1. Learning Resources

<b>Required Textbooks</b>	<ul style="list-style-type: none"> <li>• Agur, A. M., &amp; Dalley, A. F. (2009). Grant's atlas of anatomy. Lippincott Williams &amp; Wilkins. Pathology: Kumar, V., Abbas, A. K., &amp;</li> <li>• Anthony, L. M. (2013). Junqueira's basic histology: text and atlas.</li> <li>• ErosocPhysiology: Hall, J. E., &amp; Hall, M. E. (2020, June 16). Guyton and Hall Textbook of Medical Physiology.</li> <li>• Kumar, V., Abbas, A. K., &amp; Aster, J. C. (2017). Robbins Basic Pathology (10th ed.). Elsevier - Health Sciences Division.</li> <li>• Walter, J. B., &amp; IC, T. (1996). Walter &amp; Israel General Pathology 1996. Chp, 52, 831.</li> <li>• Al-Kobaisi, M. F. (2007). Jawetz, Melnick &amp; Adelberg's Medical Microbiology 24th Edition. Sultan Qaboos University Medical Journal [SQUMJ], 7(3), 273-275.</li> <li>• Cornelissen, C. N., Harvey, R. A., &amp; Fisher, B. D. (2012). Microbiology (Vol. 3). Lippincott Williams &amp; Wilkins.</li> <li>• Chatterjee, M. N., &amp; Shinde, R. (2002). Textbook of Biochemistry, Jaypee brothers.</li> <li>• Garcia, L. S. (2006). Diagnostic medical parasitology. American Society for Microbiology Press.</li> <li>• John, D. T., &amp; Petri, W. A. (2013). Markell and Voge's medical parasitology-e-book. Elsevier Health Sciences.</li> <li>• Paniker, C. J. (2007). Textbook of medical parasitology (No. Ed. 6). Jaypee Brothers Medical Publishers (P) Ltd.</li> <li>• Neva, F. A., &amp; Brown, H. W. (1994). Basic clinical parasitology (No. Ed. 6). Appleton &amp; Lange.</li> <li>• Gunn, A., &amp; Pitt, S. J. (2022). Parasitology: an integrated approach. John Wiley &amp; Sons.</li> <li>• Zeibig, E. (2014). Clinical parasitology: A practical approach. Elsevier Health Sciences.</li> <li>• Schmidt, G. D., &amp; Roberts, L. S. (1977). Foundations of parasitology. CV Mosby Company, 11830 Westline Industrial Drive,</li> </ul>
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	<p>St. Louis, Missouri 63141, USA (distributed in UK by Henry Kimpton Publishers, 7 Leighton Place, Leighton Road, London NW52QL)..</p> <ul style="list-style-type: none"> <li>• Goyal, R. C. (2010). Research methodology for health professionals. JAYPEE BROTHERS PUBLISHERS.</li> <li>• Battin, M. P., Francis, L. P., Jacobson, J. A., &amp; Smith, C. B. (2008). The patient as victim and vector: ethics and infectious disease. Oxford University Press.</li> <li>• Katzung, B. G., &amp; Trevor, A. J. (Eds.). (2012). Basic &amp; clinical pharmacology.</li> <li>• Whalen, K. (2018). Lippincott® Illustrated Reviews: Pharmacology. Wolters kluwer india Pvt Ltd.</li> <li>• Trevor, A. J., Katzung, B. G., Masters, S. B., &amp; Kruidering-Hall, M. (2010). Pharmacology examination &amp; board review (pp. 121-132). New York: McGraw-Hill Medical.</li> <li>• KIM, M. K., MOORE, J. H., KIM, J. K., CHO, K. H., CHO, Y. W., KIM, Y. S., ... &amp; SHIN, M. H. (2011). Goodman &amp; Gilman's The Pharmacological Basis of Therapeutics Goodman &amp; Gilman's The Pharmacological Basis of Therapeutics, 521-547, 2001. Journal of human genetics, 56(1), 71-76.</li> <li>• Breslow, L. Encyclopedia of Public Health (AG).</li> <li>• Community Medicine: Control of Communicable Diseases Manual. (2022, February 28). In D. L. Heymann (Ed.), An Official Report of the American Public Health Association. APHA Press.</li> </ul>
<b>References Materials</b>	
<b>Electronic Materials</b>	<ul style="list-style-type: none"> <li>• AMBOSS</li> <li>• Access Medicine</li> <li>• UptoDate</li> </ul>
<b>Other Learning Materials</b>	

## 2. Facilities Required

Item	Resources
<b>Accommodation</b> (Classrooms, laboratories, demonstration rooms/labs, etc.)	Classrooms, laboratories, demonstration rooms, simulation lab, Museum
<b>Technology Resources</b> (AV, data show, Smart Board, software, etc.)	(AV ; data show, Smart Board, LMS)



Item	Resources
<b>Other Resources</b> (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	Projection microscope, Lab equipment and glassware for Microbiology, Parasitology Practical

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Instructors:

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